CLAIMS

[1] A loudspeaker system, comprising:

a cabinet;

a loudspeaker unit fitted to the cabinet;

an absorbent which is disposed inside a hollow chamber within the cabinet and physically absorbs a gas inside this hollow chamber; and

a phase inverting mechanism which inverts the phase by resonating with a sound of a specific frequency radiated from the loudspeaker unit into the hollow chamber and radiates this sound to outside,

wherein the phase inverting mechanism includes watertight means for preventing invasion of moisture into inside the hollow chamber from outside the cabinet through the phase inverting mechanism.

[2] The loudspeaker system of claim 1, wherein the phase inverting mechanism is a drone cone which is disposed in an opening which is formed in the cabinet, and

the watertight means is the drone cone which blocks ventilation between the outside of the cabinet and the hollow chamber.

[3] The loudspeaker system of claim 2, wherein the drone cone is coated with at least one of wax and a resin material.

[4] The loudspeaker system of claim 1, wherein the phase inverting mechanism is an acoustic port which is disposed in an opening which is formed in the cabinet, and

the watertight means is a damp proofing agent which is disposed stationary inside the acoustic port.

[5] The loudspeaker system of claim 1, wherein the absorbent is activated carbon.

[6] A portable information processing device, comprising:

the loudspeaker system of any one of claims 1 through 5; and

a housing inside of which the loudspeaker system is fixed.

[7] An audio visual system, comprising:

the loudspeaker system of any one of claims 1 through 5; and

a housing inside of which the loudspeaker system is fixed.

[8] A vehicle, comprising:

the loudspeaker system of any one of claims 1 through 5; and

a vehicle body inside of which the loudspeaker system is

fixed.